CLAIMS

I claim:

1. Optical filters for viewing 3D photos printed on an inkjet printer comprising:

a red colored filter having a transmittance of greater than 60% with 610

nm and greater wavelength light, and

a cyan colored filter having a transmittance peak of greater than 60%

with 480 nm wavelength light and a transmittance of greater than 50% with

700 nm and greater wavelength light.

2. The optical filters of claim 1, wherein the red colored filter has

transmittance values at particular wavelengths according to this table, plus or

minus five percent:

WL (nm)	T%	WL (nm)	T%	WL (nm)	T%	WL (nm)	T%	WL (nm)	T%
780	91.903	770	92.161	760	92.448	750	92.722	740	92.917
730	92.717	720	92.326	710	91.811	700	91.462	690	91.345
680	91.542	670	91.612	660	81.412	650	90.614	640	89.146
630	86.667	620	81.662	610	69.871	600	46.158	590	16.359
580	1.864	570	0.047	560	0.000	550	0.000	540	0.000
530	0.000	520	0.000	510	0.000	500	0.000	490	0.000
480	0.000	470	0.000	460	0.000	450	0.000	440	0.000
430	0.000	420	0.000	410	0.000	400	0.000	390	0.000
380	0.000	370	0.000	360	0.000	350	0.000	340	0.000
330	0.000	320	0.000	310	0.000	300	0.000	290	0.000
280	0.000								

3. The optical filters of claim 1, wherein the cyan colored filter has

transmittance values at particular wavelengths according to this table, plus or

minus five percent:

WL (nm)	T%	WL (nm)	T%	WL (nm)	T%	WL (nm)	T%	WL (nm)	T%

780	92.144	770	91.478	760	90.844	750	90.296	740	89.580
730	87.446	720	82.453	710	72.361	700	56.497	690	37.370
680	20.510	670	9.744	660	4.616	650	2.657	640	2.128
630	2.260	620	2.539	610	2.574	600	2.617	590	3.287
580	5.182	570	0.262	560	11.744	550	15.936	540	22.629
530	31.805	520	40.710	510	48.506	500	56.496	490	62.925
480	64.320	470	60.939	460	54.323	450	43.995	440	31.496
430	21.451	420	14.386	410	5.358	400	0.115	390	0.000
380	0.000	370	0.000	360	0.000	350	0.000	340	0.000
330	0.000	320	0.000	310	0.000	300	0.000	290	0.000
280	0.000								

4. 3D glasses for viewing 3D photos printed on an inkjet printer comprising:

a red colored filter having a transmittance of greater than 60% with 610 nm and greater wavelength light,

5   a cyan colored filter having a transmittance peak of greater than 60% with 480 nm wavelength light and a transmittance of greater than 50% with 700 nm and greater wavelength light, and

an eyeglass frame for holding the red colored filter in a spaced relationship with the cyan colored filter.

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5. The 3D glasses of claim 4 wherein the frame is designed to place the red colored filter over a wearer's left eye and place the cyan colored filter over a wearer's right eye.

15   6. The 3D glasses of claim 4 wherein the red colored filter has transmittance values at particular wavelengths according to this table, plus or minus five percent:

WL (nm)	T%	WL (nm)	T%	WL (nm)	T%	WL (nm)	T%	WL (nm)	T%

780	91.903	770	92.161	760	92.448	750	92.722	740	92.917
730	92.717	720	92.326	710	91.811	700	91.462	690	91.345
680	91.542	670	91.612	660	81.412	650	90.614	640	89.146
630	86.667	620	81.662	610	69.871	600	46.158	590	16.359
580	1.864	570	0.047	560	0.000	550	0.000	540	0.000
530	0.000	520	0.000	510	0.000	500	0.000	490	0.000
480	0.000	470	0.000	460	0.000	450	0.000	440	0.000
430	0.000	420	0.000	410	0.000	400	0.000	390	0.000
380	0.000	370	0.000	360	0.000	350	0.000	340	0.000
330	0.000	320	0.000	310	0.000	300	0.000	290	0.000
280	0.000								

7. The 3D glasses of claim 4 wherein the cyan colored filter has transmittance values at particular wavelengths according to this table, plus or minus five percent:

WL (nm)	T%	WL (nm)	T%	WL (nm)	T%	WL (nm)	T%	WL (nm)	T%
780	92.144	770	91.478	760	90.844	750	90.296	740	89.580
730	87.446	720	82.453	710	72.361	700	56.497	690	37.370
680	20.510	670	9.744	660	4.616	650	2.657	640	2.128
630	2.260	620	2.539	610	2.574	600	2.617	590	3.287
580	5.182	570	0.262	560	11.744	550	15.936	540	22.629
530	31.805	520	40.710	510	48.506	500	56.496	490	62.925
480	64.320	470	60.939	460	54.323	450	43.995	440	31.496
430	21.451	420	14.386	410	5.358	400	0.115	390	0.000
380	0.000	370	0.000	360	0.000	350	0.000	340	0.000
330	0.000	320	0.000	310	0.000	300	0.000	290	0.000
280	0.000								

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